

IN THE CLAIMS

Amendments to the Claims:

This listing of claims will replace all prior version, and listings, of claims in the application. Where claims have been amended and/or canceled, such amendments and/or cancellations are done without prejudice and/or waiver and/or disclaimer to the claimed and/or disclosed subject matter, and the applicant and/or assignee reserves the right to claim this subject matter and/or other disclosed subject matter in a continuing application.

Listing of Claims:

What is claimed is:

1. (Currently Amended) A transmission mechanism, ~~of a sheet feeder located inside a body for feeding a document, the transmission mechanism~~ comprising at least:

one or more a plurality of drive rollers;

at least a belt, wherein the belt is capable of tightening tightens around the one or more plurality of drive rollers, and wherein the one or more the plurality of drive rollers are capable of driving drive the belt;

an idle roller; [[and]]

an elastic member, wherein the elastic member is capable of activates the idle roller causing the idle roller to exert a force on the belt to maintain tightness in the belt for moving the document between the idle roller and the belt during feeding of the document; and

wherein the idle roller and belt are located so as to receive the document via a feed-in path and to transmit the document via a feed-out path, and wherein the idle roller and belt are located so as to receive the document between the idle roller and the belt.

2. (Currently Amended) The transmission mechanism in claim 2 1, wherein the number of drive rollers is three.

3. (Currently Amended) The transmission mechanism in claim 1, wherein the one or more plurality of drive rollers is arranged in a triangular formation where the drive rollers are

located at the corners, the triangular formation comprising one or more of the following shapes:
~~is selected from a group including~~ acute triangles, right-angle triangles, ~~[[and]]~~ or obtuse triangles.

4. (Currently Amended) The transmission mechanism in claim 1, wherein the belt further ~~comprises comprising~~ two or more a plurality of belts tightened around the one or more plurality of drive rollers.

5. (Currently Amended) The transmission mechanism in claim 1, wherein ~~at least one of the plurality of one or more~~ drive rollers ~~[[is]]~~ are capable of being driven by a motor ~~to drive all the plurality of rollers.~~

6. (Currently Amended) The transmission mechanism in claim 1, wherein the elastic member ~~[[is]]~~ comprises a spring.

7. (Currently Amended) The transmission mechanism in claim 1, wherein the transmission mechanism is located inside a body and wherein the elastic member is manufactured together with the body by injection molding.

8. (Currently Amended) The transmission mechanism in claim 7, wherein the elastic member ~~[[is]]~~ comprises plastic.

9. (Currently Amended) The transmission mechanism in claim 1, wherein the transmission mechanism is located inside a body and wherein the one or more plurality of drive rollers further ~~comprising comprises~~ one or more a plurality of axles, the one or more axles penetrate respective centers a center of the one or more plurality of drive rollers and two ends of the one or more axles are fixed on the body, and the one or more plurality of drive rollers revolve about the one or more axles.

10. (Currently Amended) The transmission mechanism in claim 1, wherein the idle roller further ~~comprising~~ comprises a shaft, the shaft penetrates a center of the idle roller, and the idle roller revolves about the shaft.

11. (Currently Amended) The transmission mechanism in claim 10, wherein the transmission mechanism is located inside a body and wherein one end of the elastic member is fixed on the shaft of the idle roller, and the other end is fixed on the body.

12. (Currently Amended) The transmission mechanism in claim 1, wherein the document [[is]] comprises a sheet of paper.

13. (Currently Amended) The transmission mechanism in claim 1, wherein a contact between the belt and the idle roller [[is]] comprises a face type contact.

14. (Original) The transmission mechanism in claim 13, wherein a surface contact friction between the belt and the document is greater than the friction between the idle roller and the document.

15. (Currently Amended) The transmission mechanism in claim 1, further comprising a feed-in roller, a feed-out roller, a feed-in tray, and a feed-out tray, wherein the transmission mechanism is located inside a body and wherein the feed-in roller and feed-out roller are located inside the body, the feed-in tray and feed-out tray are located outside the body, the feed-in roller is located at one side of the feed-in tray, and the feed-out roller is located at one side of the feed-out tray.

16. (Currently Amended) The transmission mechanism in claim 1, wherein an elasticity of the elastic member is capable of moving moves the idle roller towards the belt in a substantially tangent direction and the moving document moves through between the idle roller and the belt.

17. (Currently Amended) A sheet feeder system, comprising ~~at least:~~
a body;
a feed-in roller located inside the body;
a feed-out roller located inside the body; and
a transmission mechanism located inside the body having an upstream end located adjacent to the feed-in roller and a downstream end located adjacent to the feed-out roller, the transmission mechanism comprising at least:

one or more ~~a plurality~~ of drive rollers;

at least a belt, wherein the belt is capable of tightening ~~tightens~~ around the one or more ~~plurality~~ of drive rollers, and the one or more ~~plurality~~ of drive rollers drive the belt;

an idle roller; ~~[[and]]~~

an elastic member, wherein the elastic member is capable of ~~activates~~ the idle roller causing the idle roller to exert a force on the belt to maintain tightness in the belt ~~for moving a document between the idle roller and the belt;~~ and

wherein the idle roller and belt are located so as to receive a document between the idle roller and the belt.

18. (New) The sheet feeder system of claim 17, wherein the number of drive rollers is three.

19. (New) The sheet feeder system of claim 17, wherein the one or more drive rollers is arranged in a triangular formation where the drive rollers are located at the corners; the triangular formation comprises one or more of the following shapes: acute triangles, right-angle triangles, or obtuse triangles.